

PATENT COOPERATION TREATY

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:
LARRY E. HENNEMAN
HENNEMAN & ASSOCIATES PLC
714 W. MICHIGAN AVE.
THREE RIVES, CA 49093

PCT

NOTIFICATION OF TRANSMITTAL OF
INTERNATIONAL PRELIMINARY
REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Rule 71.1)

Date of mailing
(day/month/year)

28 DEC 2009

Applicant's or agent's file reference

0057-029PCT

IMPORTANT NOTIFICATION

International application No.

International filing date (day/month/year)

Priority date (day/month/year)

PCT/US08/05336

25 April 2008 (25.04.2008)

27 April 2007 (27.04.2007)

Applicant

VNS PORTFOLIO LLC

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary report on patentability and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the *PCT Applicant's Guide*.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed invention is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

Name and mailing address of the IPEA/ US
Mail Stop PCT, Attn: IPEA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Facsimile No. (571) 273-3201

Authorized officer
Kenneth S. Kim
Telephone No. (571) 272-2100

Form PCT/IPEA/416 (January 2004)

Received

DEC 30 2009

Henneman & Associates PLC

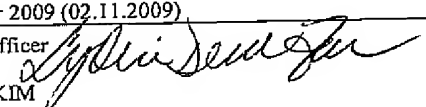
PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 0057-029PCT	FOR FURTHER ACTION	See Form PCT/IPEA/416																								
International application No. PCT/US08/05336	International filing date (day/month/year) 25 April 2008 (25.04.2008)	Priority date (day/month/year) 27 April 2007 (27.04.2007)																								
International Patent Classification (IPC) or national classification and IPC IPC: G06F 13/00(2006.01) USPC: 710/100																										
Applicant VNS PORTFOLIO LLC																										
<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>5</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p style="margin-left: 20px;">a. <input checked="" type="checkbox"/> (sent to the applicant and to the International Bureau) a total of <u>4</u> sheets, as follows:</p> <p style="margin-left: 40px;"><input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p style="margin-left: 40px;"><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p> <p>4. This report contains indications relating to the following items:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 10%;"><input checked="" type="checkbox"/></td> <td style="width: 20%;">Box No. I</td> <td>Basis of the report</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table>			<input checked="" type="checkbox"/>	Box No. I	Basis of the report	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input checked="" type="checkbox"/>	Box No. VI	Certain documents cited	<input type="checkbox"/>	Box No. VII	Certain defects in the international application	<input type="checkbox"/>	Box No. VIII	Certain observations on the international application
<input checked="" type="checkbox"/>	Box No. I	Basis of the report																								
<input type="checkbox"/>	Box No. II	Priority																								
<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability																								
<input type="checkbox"/>	Box No. IV	Lack of unity of invention																								
<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement																								
<input checked="" type="checkbox"/>	Box No. VI	Certain documents cited																								
<input type="checkbox"/>	Box No. VII	Certain defects in the international application																								
<input type="checkbox"/>	Box No. VIII	Certain observations on the international application																								
Date of submission of the demand 27 February 2009 (27.02.2009)	Date of completion of this report 02 November 2009 (02.11.2009)																									
Name and mailing address of the IPEA/ US Mail Stop PCT, Attn: IPEA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Authorized officer  Kenneth S. KIM Telephone No. (571)272-2100																									

Form PCT/IPEA/409 (cover sheet)(April 2007)

Box No. I Basis of the report1. With regard to the **language**, this report is based on:

- ☒ the international application in the language in which it was filed.
- ☐ a translation of the international application into English, which is the language of a translation furnished for the purposes of:
- ☐ international search (under Rules 12.3(a) and 23.1(b))
- ☐ publication of the international application (under Rule 12.4(a))
- ☐ international preliminary examination (under Rules 55.2(a) and/or 55.3(a))

2. With regard to the **elements** of the international application, this report is based on (*replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report*):

- ☐ the international application as originally filed/furnished
- ☒ the description:
pages 1-18 as originally filed/furnished
pages* NONE received by this Authority on _____
pages* NONE received by this Authority on _____
- ☒ the claims:
pages NONE as originally filed/furnished
pages* NONE as amended (together with any statement) under Article 19
pages* 19-22 received by this Authority on 27 February 2009 (27.02.2009)
pages* NONE received by this Authority on _____
- ☒ the drawings:
pages 1-7 as originally filed/furnished
pages* NONE received by this Authority on _____
pages* NONE received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.

3. ☒ The amendments have resulted in the cancellation of:

- ☒ the description, pages none
- ☒ the claims, Nos. 18-20
- ☒ the drawings, sheets/figs none
- ☒ the sequence listing (*specify*): none
- ☒ any table(s) related to the sequence listing (*specify*): none

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to the sequence listing (*specify*): _____

5. ☐ This report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 70.2(e)).

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/US08/05336**Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

1. Statement

Novelty (N)

Claims 1-17 YESClaims NONE NO

Inventive Step (IS)

Claims 1-17 YESClaims NONE NO

Industrial Applicability (IA)

Claims 1-17 YESClaims NONE NO

2. Citations and Explanations (Rule 70.7)

Claims 1-17 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a register programmably settable to address a plurality of data path and indication of communication partner as source or destination.

----- NEW CITATIONS -----

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/US08/05336

Box No. VI Certain documents cited

1. Certain published documents (Rule 70.10)

Application No <u>Patent No.</u>	Publication Date <u>(day/month/year)</u>	Filing Date <u>(day/month/year)</u>	Priority date (valid claim) <u>(day/month/year)</u>
5,029,124	02 July 1991 (02.07.1991)	17 May 1988 (17.05.1988)	None
7,079,046	18 July 2006 (18.07.2006)	17 October 2003 (17.10.2003)	28 March 2003 (28.03.2003)

2. Non-written disclosures (Rule 70.9)

Kind of non-written disclosureDate of non-written disclosure
(day/month/year)Date of written disclosure
referring to non-written disclosure
(day/month/year)

CLAIM OR CLAIMS

What is claimed is:

- 1 1. A computer, comprising:
 - 2 a plurality of data paths connecting the computer to other devices; and
 - 3 a register having bits programmatically settable to address each of said plurality of
 - 4 data paths such that the computer can communicate via multiple of said
 - 5 plurality of data paths based on which said bits are concurrently set; and
 - 6 wherein said register has bits respectively representing instances of said other devices
 - 7 as source devices that the computer can read data from and instances of said
 - 8 other devices as destination devices that the computer can write data to,
 - 9 thereby permitting a single address in said register to represent both a source
 - 10 device and a destination device for data communicated by the computer.
- 1 2. The computer of claim 1, wherein:
 - 2 the computer includes stack storage elements; and
 - 3 the computer employs only said register and said stack storage elements to read data
 - 4 from a first said other device and to write said data to a second said other
 - 5 device.
- 1 3. The computer of claim 1, wherein:
 - 2 the computer includes stack storage elements;
 - 3 the computer employs instruction words having sufficient length to include multiple
 - 4 instructions and can execute instances of said instructions present in a said
 - 5 instruction word that is present on a said data path; and
 - 6 the computer employs only said register, stack storage elements, and a program in a
 - 7 single said instruction word to read data from a first said other device and to
 - 8 write said data to a second said other device.

1 4. The computer of claim 1, wherein:
2 the computer reads data from a said other device via a first said data path that is
3 specified by said register; and
4 the computer writes data to a different said other device via a second said data path
5 that is concurrently specified by said register.

1 5. The computer of claim 4, wherein:
2 the computer can read data from one of multiple said other devices that are
3 concurrently specified by said register; or
4 the computer can write data to multiple said other devices that are concurrently
5 specified by said register; and
6 the computer reads from a first said other device that provides said data and writes to
7 a second said other device that accepts said data.

1 6. The computer of claim 1, wherein:
2 said bits in said register defining said other devices from which the computer can read
3 are read bits;
4 said bits in said register defining said other devices to which the computer can write
5 are write bits;
6 the computer attempts to read from all of said second other devices when
7 corresponding said read bits are set; and
8 the computer attempts to write to all of said second other devices when corresponding
9 said write bits are set.

1 7. The computer of claim 1, wherein:
2 the computer is part of a computer array and at least one of said other devices is also a
3 computer in said computer array.

1 8. The computer of claim 1, wherein:
2 the computer communicates asynchronously.

1 9. A process for a computer to communicate data, comprising:
2 (a) monitoring a plurality of data paths connecting the computer to other devices for a
3 signal that a first one of said other devices is seeking to write the data to the
4 computer;
5 (b) reading the data from said first one of said other devices; and
6 (c) writing the data to a second one of said other devices based on a register having
7 bits programmatically settable to address said plurality of data paths; and
8 wherein said (a) includes monitoring only said data paths having respective bits set in
9 said register, thereby permitting a single address in said register to represent
10 both a source device and a destination device for the data being
11 communicated.

1 10. The process of claim 9, wherein:
2 said (b) includes attempting to read from all of said other devices having respective
3 bits set in said register.

1 11. The process of claim 9, wherein:
2 said (c) includes attempting to write to all of said other devices having respective bits
3 set in said register.

1 12. The process of claim 9, wherein:
2 said (a) includes ceasing said monitoring responsive to receiving a first said signal,
3 thereby ensuring that said reading is from a said other device associated with
4 said first said signal.

1 13. The process of claim 9, wherein the data includes a series of data words, and further
2 wherein:
3 said (b) includes reading each said data word directly from a said data path into a
4 stack storage element in the computer; and
5 said (c) includes directly writing each said data word directly from said stack storage
6 element to a said data path.

1 14. The process of claim 9, wherein the computer includes stack storage elements and
2 employs instruction words having sufficient length to include multiple instructions, and
3 further wherein:
4 said (b) and said (c) include employing only said register, stack storage elements, and
5 a program in a single said instruction word.

1 15. The process of claim 14, further comprising:
2 receiving said single said instruction word on a said data path.

1 16. The process of claim 9, wherein:
2 the computer is part of a computer array and at least one of said other devices is also a
3 computer in said computer array.

1 17. The process of claim 9, wherein:
2 at least one of said (b) and said (c) is performed asynchronously.